1988 [redacted]ST CONDITIONS REPORT WORK SHEE[redacted]

PEST - (COMMON NAME): Browntail Moth

(SPECIFIC NAME): Euproctis Chrysorrhoea

HOST: Oak Group

PRESENT CONDITION:

AREA - TOTAL ACRES: 50,000 approximately

LOCATION: Wellfleet, Truro, and Provincetown, Mass.

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Moderate approximately 30% defoliation but major concern about dune erosion possibility due to tree mortality.

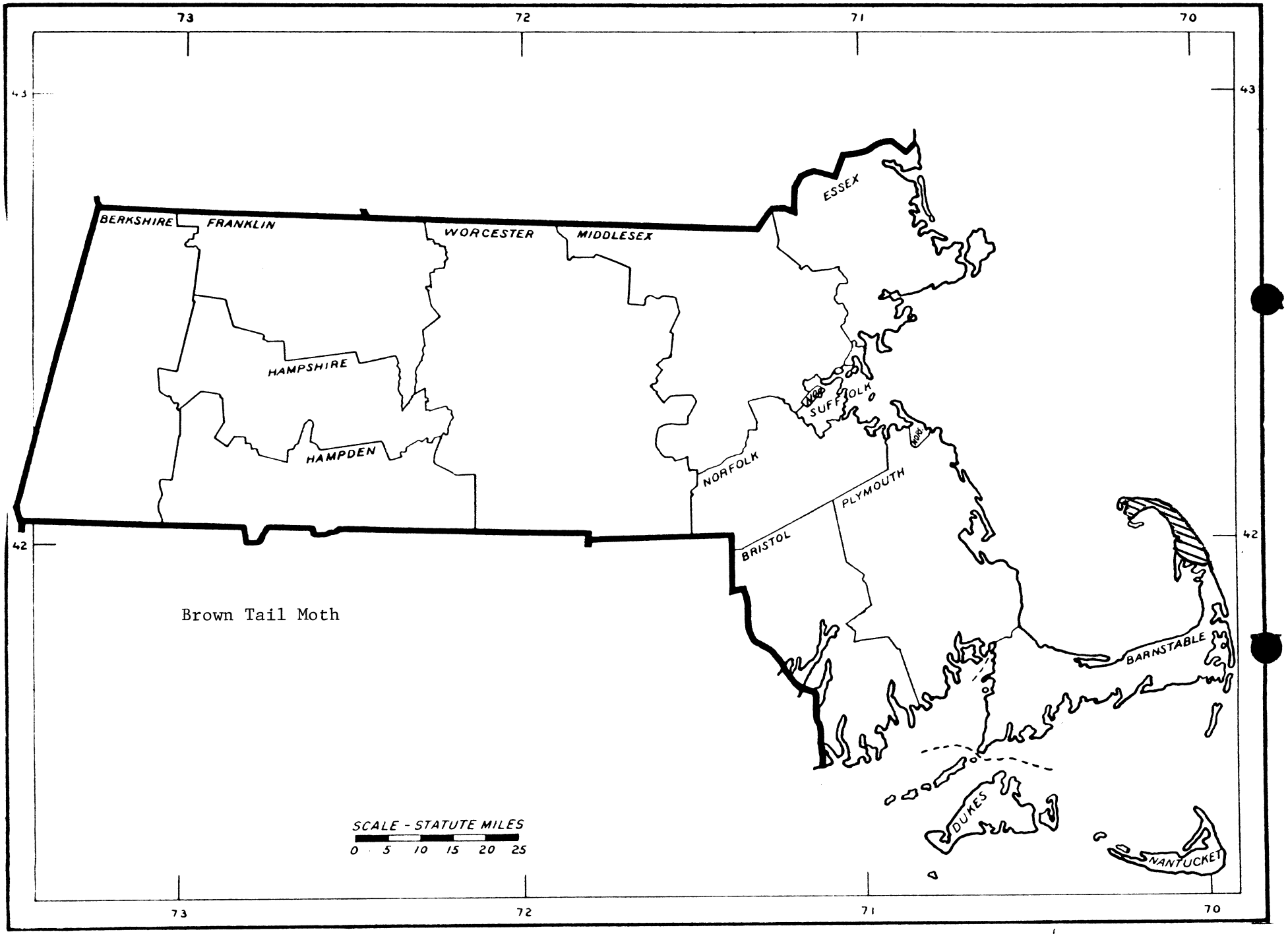
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Slight increase in annual populations.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
B.T is applied on a local level. No state or federal control programs implemented.

ADDITIONAL COMMENTS:

MASSACHUSETTS



AD - 466.IV

1988 [redacted]T CONDITIONS REPORT WORK SHEET[redacted]

PEST - (COMMON NAME): Diplodia pinea

(SPECIFIC NAME): Sphaeropsis sapinea

HOST: Two and three needled pines. In Dukes county it is primarily red and white pines.

PRESENT CONDITION:

AREA - TOTAL ACRES: 1,000

LOCATION: Martha's Vineyard State Forest, Dukes county

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Approximately 300 acres of moderate infection with the rest in mild or under 30%.

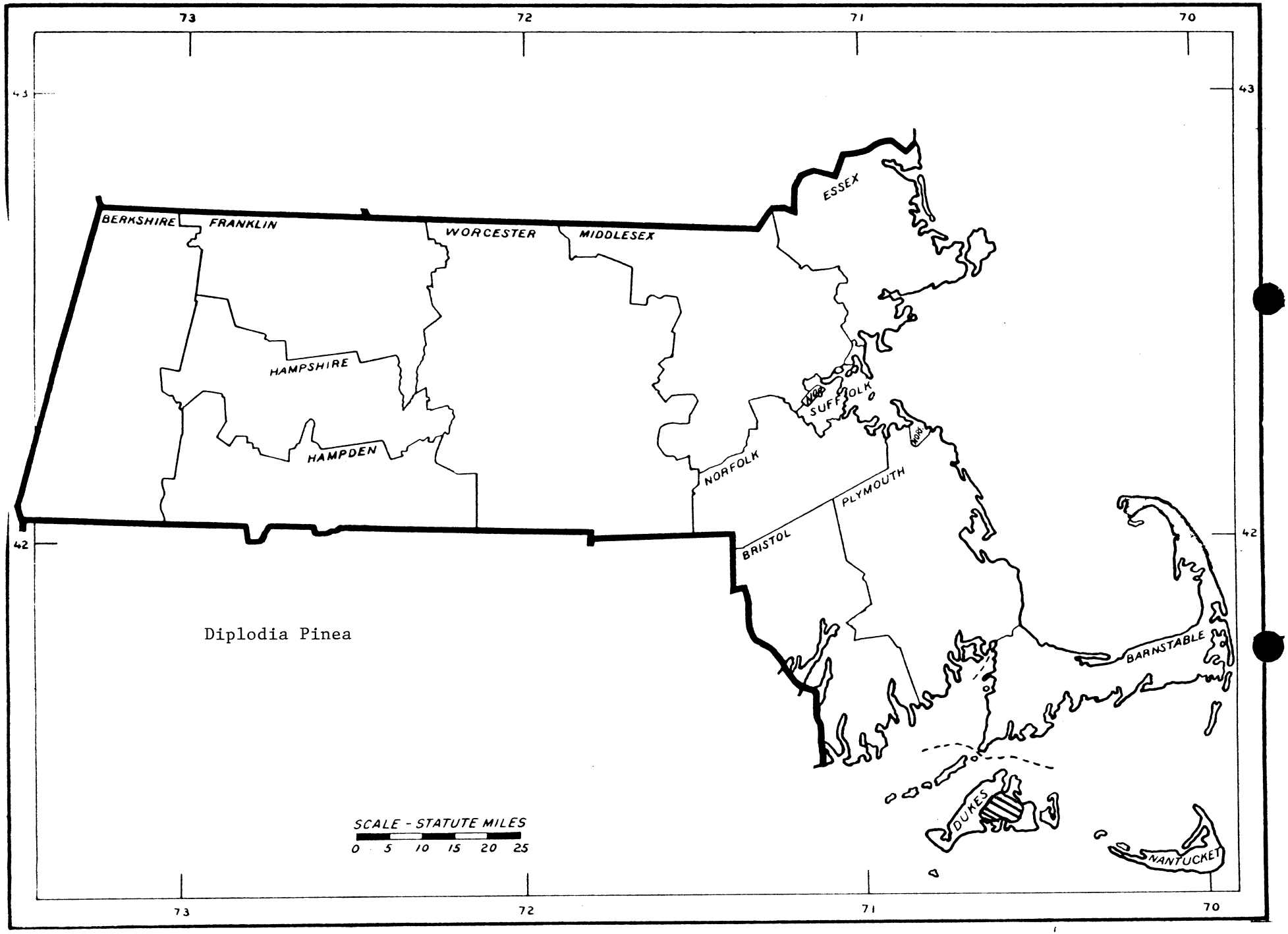
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES: ?

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Incidence and severity has increased and infected acres are expected to increase next year.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
None

ADDITIONAL COMMENTS:

MASSACHUSETTS



AD - 400.19

1988 FOREST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Forest Tent Caterpillar

(SPECIFIC NAME): Malacosoma disstria

HOST: Aspen, Maple, and Oaks

PRESENT CONDITION:

. **AREA - TOTAL ACRES:** 250,000

LOCATION: Essex and Northeastern Middlesex Counties

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Mild to moderate 20-40% defoliation

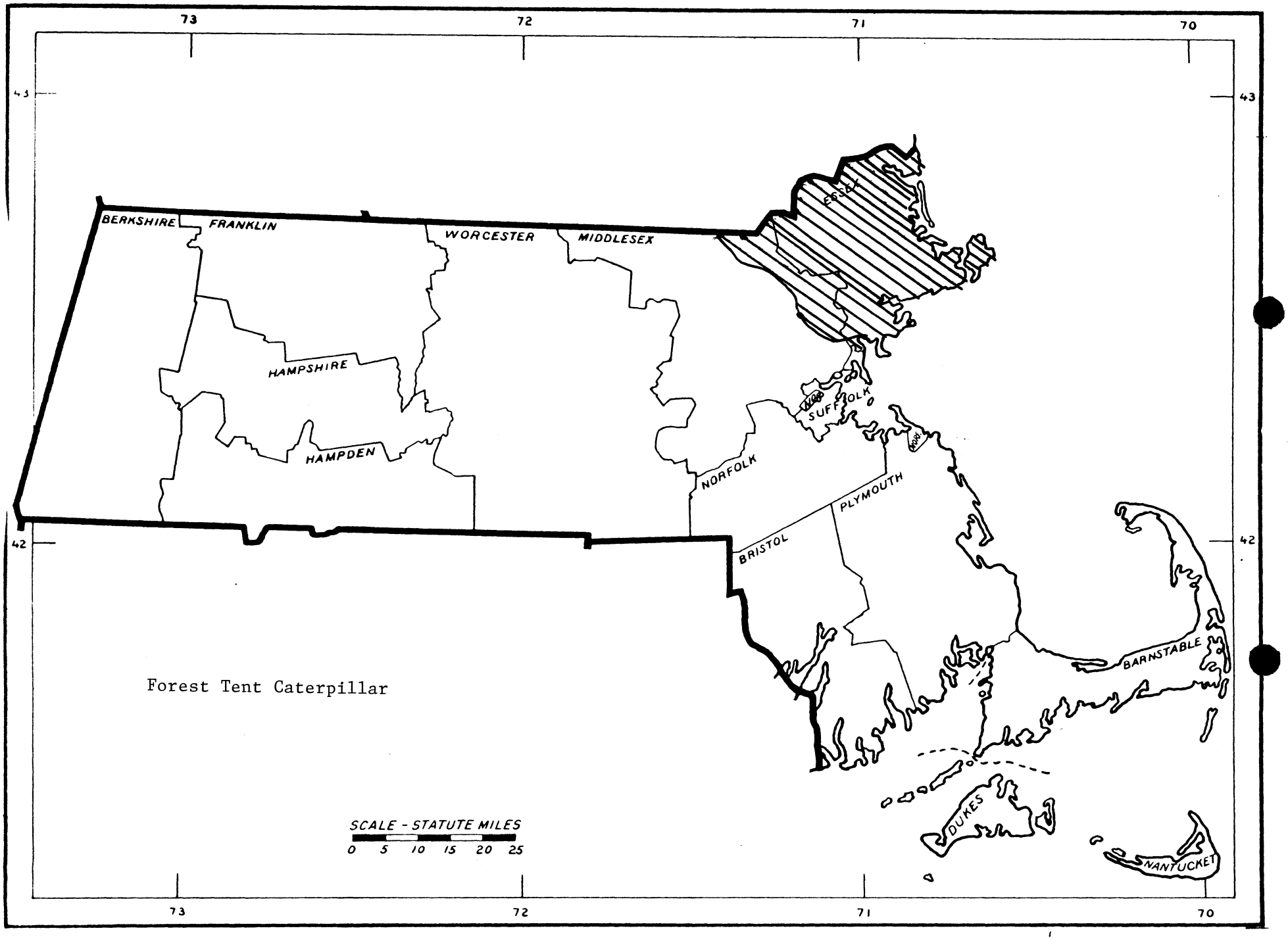
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Population levels have been stable over last several years no change expected.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
Continue monitoring

ADDITIONAL COMMENTS:

MASSACHUSETTS



AD - 400.14

1988 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Eastern Tent Caterpillar

(SPECIFIC NAME): Malacosoma Americanum

HOST: oak, maple, birch, cherry, poplar and, ash

PRESENT CONDITION:

AREA - TOTAL ACRES: 1,000,000 +

LOCATION: Essex, Middlesex, and eastern Franklin county

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Moderate - 30-50% defoliation

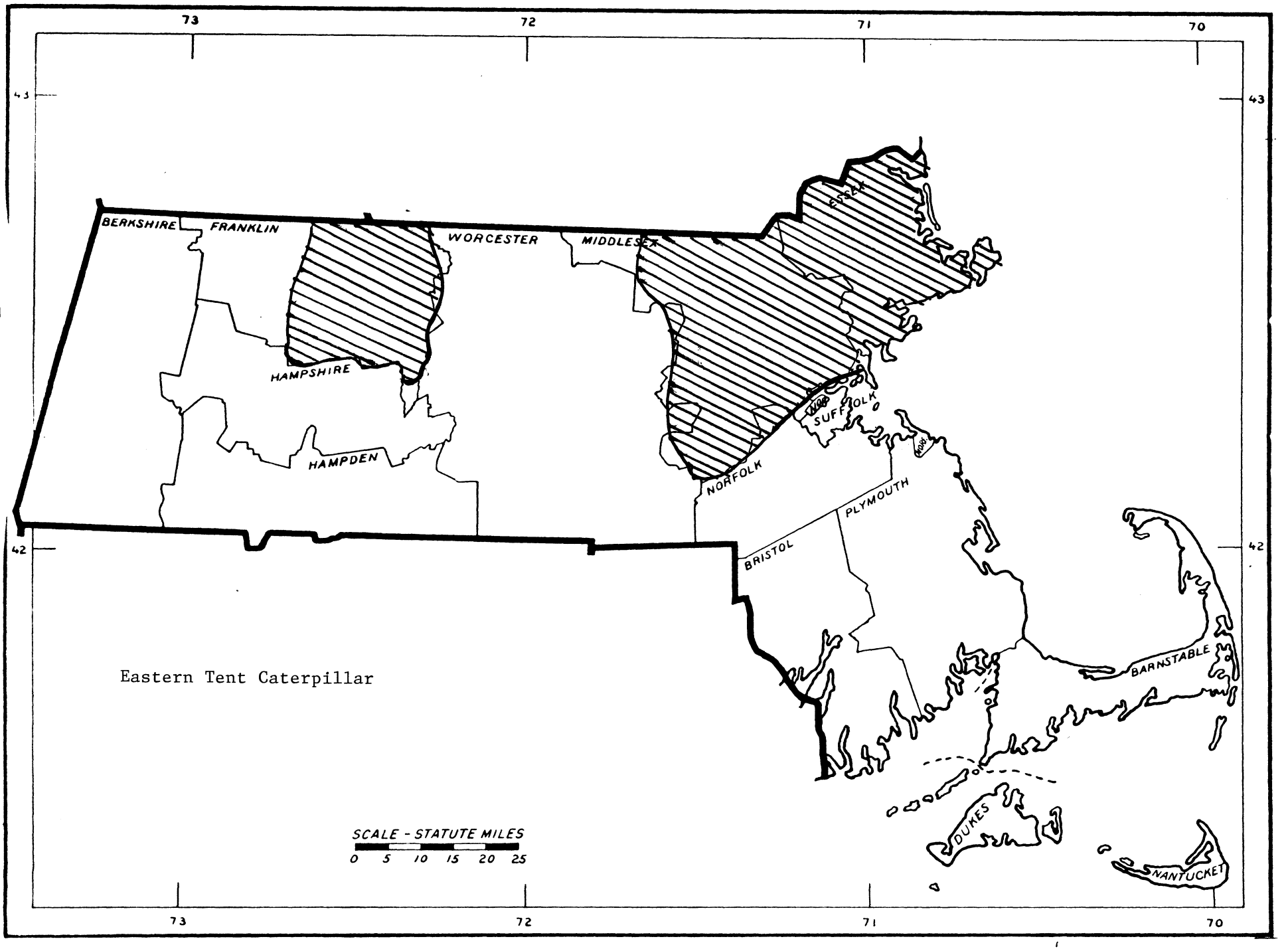
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Population has increased over the last several years, warrants continued monitoring. Next year, population expected to increase.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
None currently

ADDITIONAL COMMENTS:

MASSACHUSETTS



Eastern Tent Caterpillar

AD - 400.14

1988 [redacted]T CONDITIONS REPORT WORK SHEET[redacted]

PEST - **(COMMON NAME):** Red Pine Adelgid

(SPECIFIC NAME): Pineus borneri

HOST: Red Pine

PRESENT CONDITION:

AREA - TOTAL ACRES: 20,000

LOCATION: Tolland, Granville, Blandford, Mass.

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: mild, under 30% defoliation

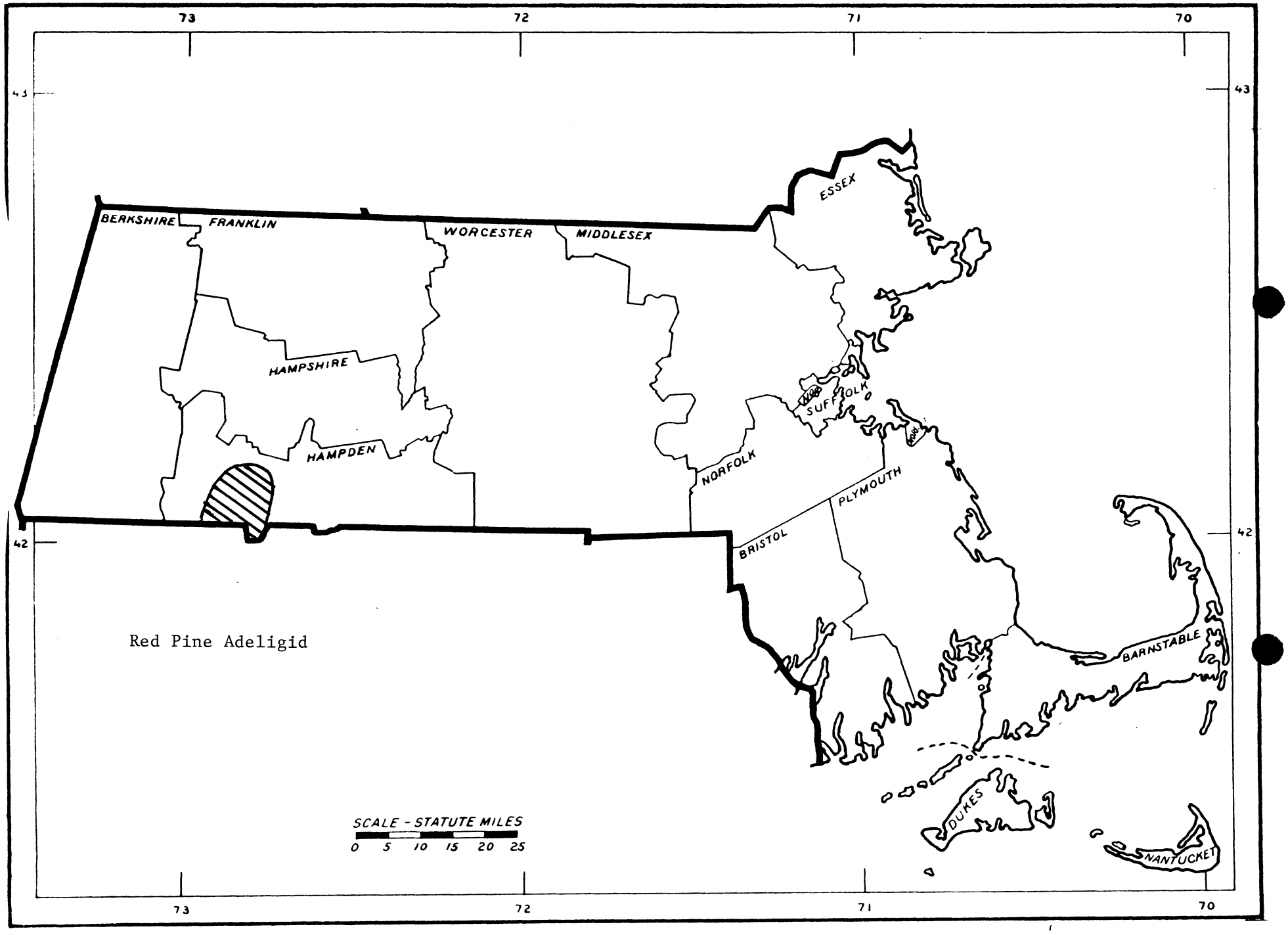
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Not much change over last three years, do not expect high impact next year.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
None

ADDITIONAL COMMENTS:

MASSACHUSETTS



AD - 400.19

1988 FOREST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Fall Cankerworm

(SPECIFIC NAME): Alsophila pametaria

HOST: Oak, Cherry, ash, maple, hickory, beech, and yellow birch

PRESENT CONDITION:

AREA - TOTAL ACRES: 60,000

LOCATION: Falmouth, Woods Hole, Weymouth, and Randolph, Massachusetts

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Approximately 20,000 acres of over 70% defoliation and 40,000 acres in 30-50% defoliation.

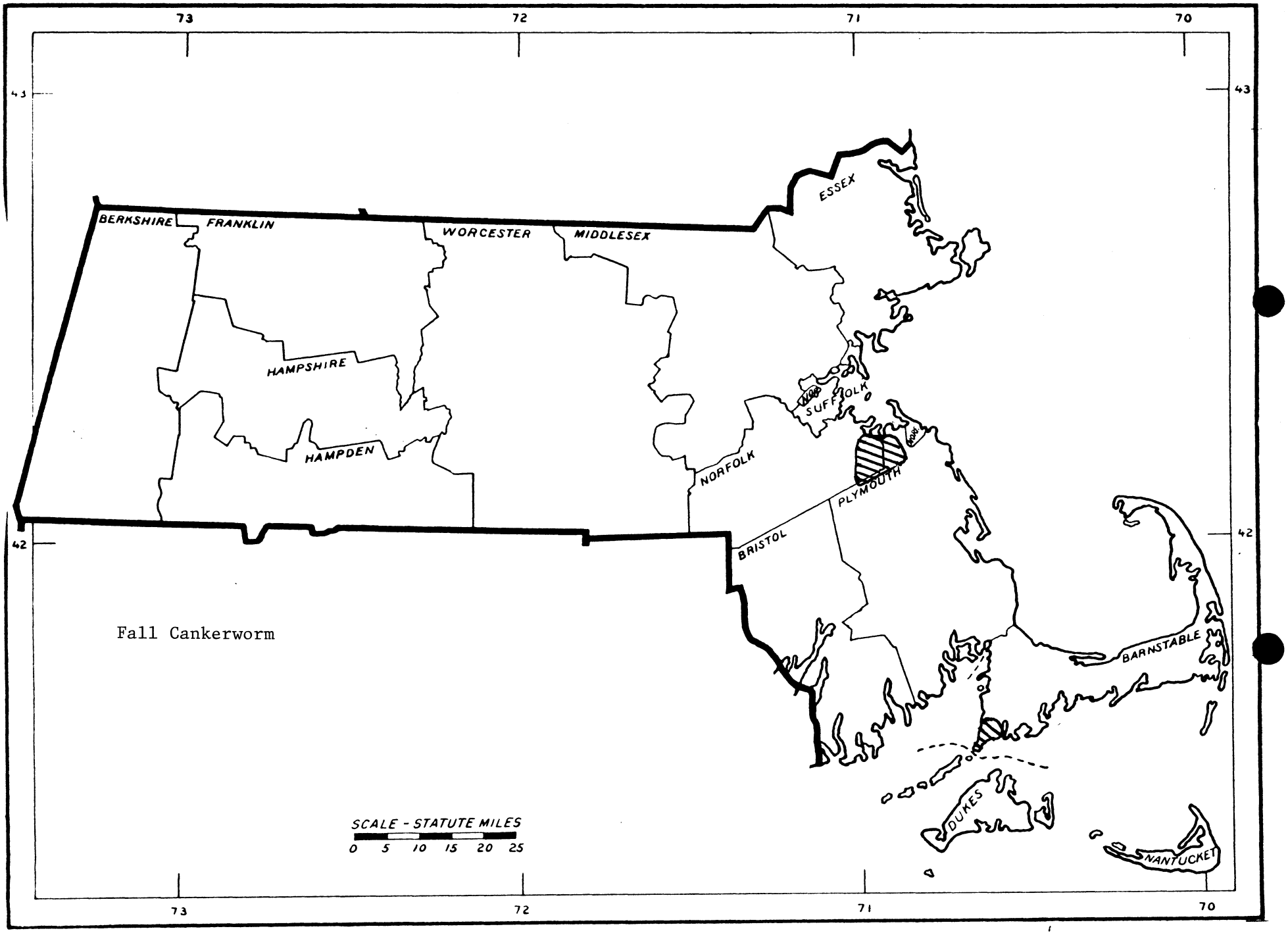
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: The Falmouth and Woodshole areas was first noticed this past year. Expect considerate increases next year.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
None established yet

ADDITIONAL COMMENTS:

MASSACHUSETTS



Fall Cankerworm

AD - 400.14

DEC 1 1988

1988 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Oak Leaf Tier/Oak Leaf Roller Complex

(SPECIFIC NAME): Croesia semipurpurana /Archips semiferanus

HOST: All oaks

PRESENT CONDITION:

AREA - TOTAL ACRES: 1,000,000 +

LOCATION: Barnstable, Plymouth, Bristol, Norfolk, Worcester, Franklin and Berkshire Counties.

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: Franklin county heavy defoliation - 80% 20,000 acres other areas moderate 50% defoliation

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Populations seem constant in Franklin county and moving west to east slowly. Population in other areas appear on the increase closer monitoring needed next year.

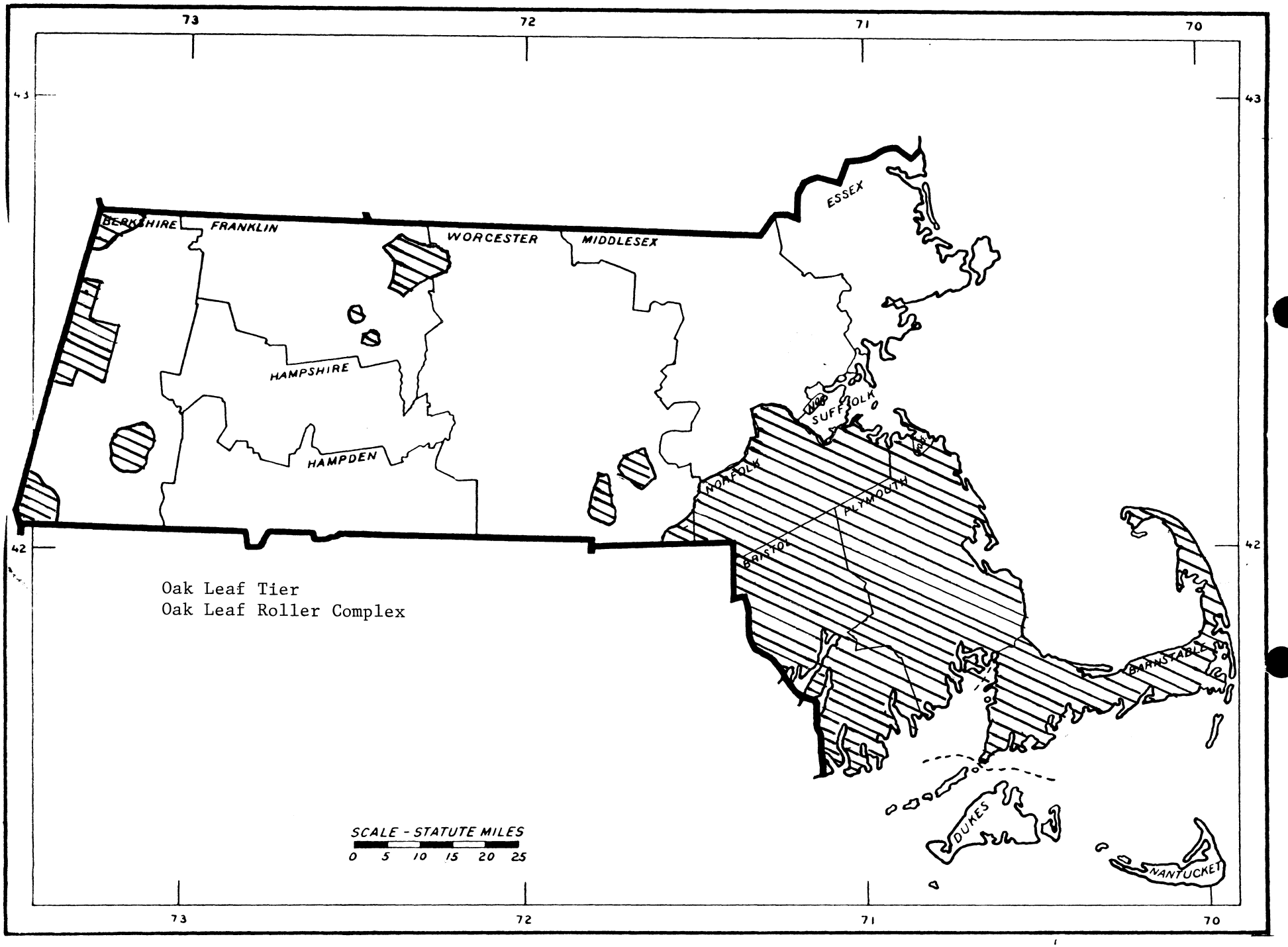
CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

Advisory Committee established, pilot spray project of Dimilin proposed for 89 in Warwick, Ma, environmental assessment being developed.

ADDITIONAL COMMENTS:

Although I identify the population problem as a complex, in the Franklin county area, (Warwick/Wendell), it is only Oak Leaf Tier.

MASSACHUSETTS



AD - 400.14

1988 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Pear thrips

(SPECIFIC NAME): Taeniothrips inconsequens

HOST: Primarily sugar maples

PRESENT CONDITION:

AREA - TOTAL ACRES: Approximately 2,000,000.

LOCATION: Berkshire, western Hampshire & Hampden, Franklin, and northern Worcester counties. Spotty in Essex county.

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES: 140,000 acres over 30% defoliation balance approximately 10-20% defoliation.

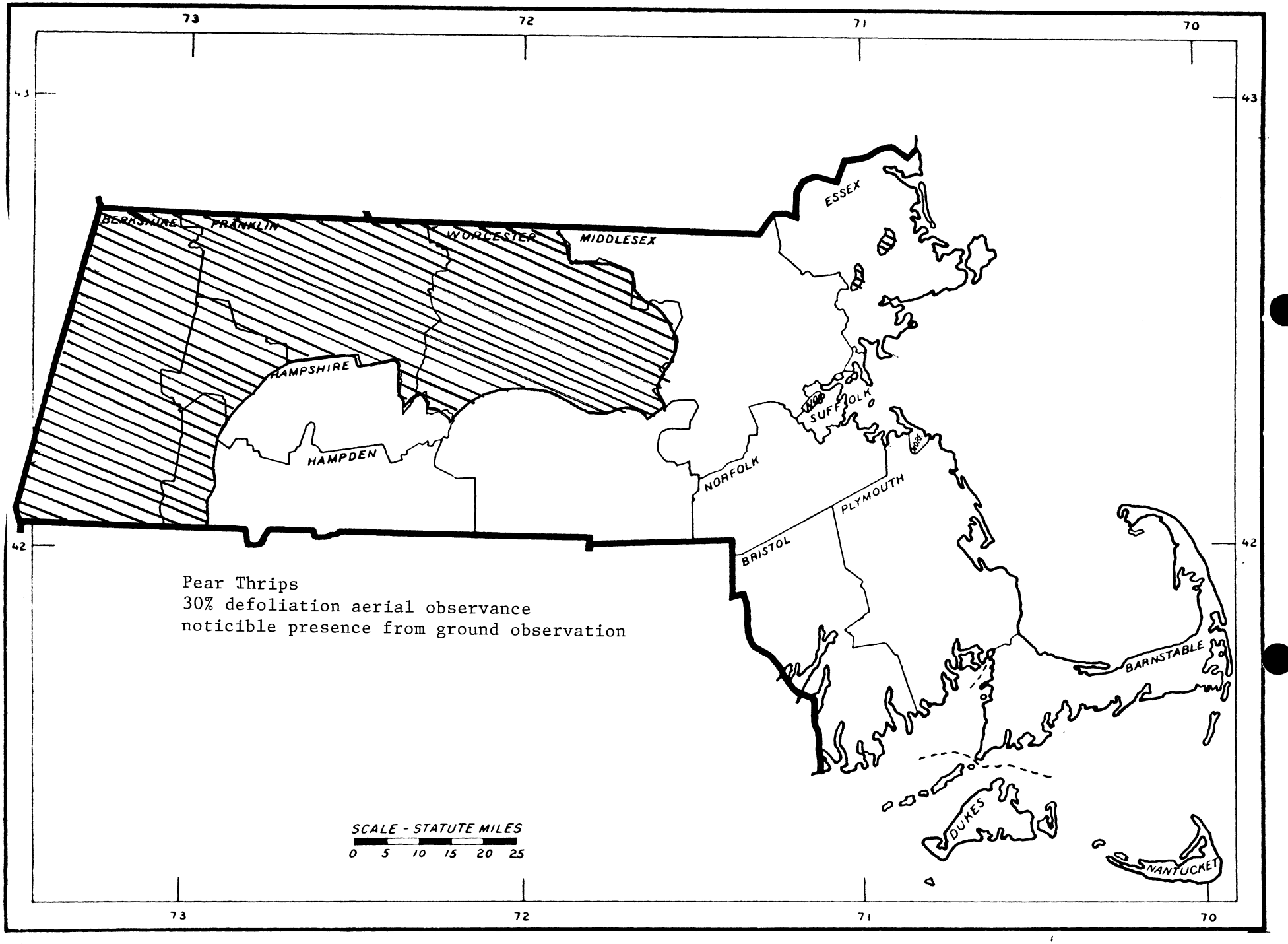
LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR: Population levels appear to be on the increase and moving west to east.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:
Biological and predatorial research being conducted by University of MA., Advisory Committee established, environmental and economic assessments currently being developed.

ADDITIONAL COMMENTS:

MASSACHUSETTS



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